

Converting Colors

XYZ(49.6215, 33.0558, 47.4811)

Have a look what the booklet for
XYZ(49.6215, 33.0558, 47.4811)
contains.

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Color

**XYZ(49.6215, 33.0558,
47.4811)**

Conversions

Conversions Part 1

Format	Color
Hex	EF6FB5
RGB	239, 111, 181
RGB Percent	94%, 44%, 71%
CMY	0.0627, 0.5647, 0.2902
CMYK	0.00, 0.54, 0.24, 0.06
HSL	327°, 80%, 69%
HSV	327°, 54%, 94%
XYZ	49.6215, 33.0558, 47.4811
YIQ	157.2520, 53.8180, 48.9060

Conversions

Conversions Part 2

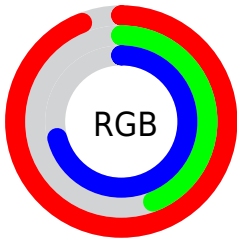
Format	Color
R_{YB}	239, 111, 181
Decimal	15691701
CIE _{Lab}	64.21, 56.89, -13.38
CIE _{LCh}	64, 58.442, 346.767
Yxy	33.0558, 0.3812, 0.2540
Android (android.graphics.Color)	4293881781 (0xFFEF6FB5)
YUV	157.2520, 11.7078, 71.6930
Hunter-Lab	57.4942, 53.4432, -8.7182

Details

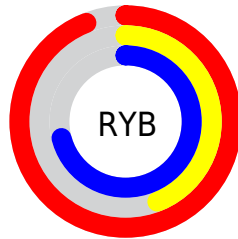
The XYZ color **49.6215, 33.0558, 47.4811** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **44.5851, 67.9780, 48.3107**, and the grayscale version is **32.0944, 33.7658, 36.7709**.

A 20% lighter version of the original color is **70.3448, 55.0119, 87.0315**, and **24.0849, 13.9942, 21.8538** is the 20% darker color. If you saturate the color by 10%, you get **46.2854, 28.0933, 41.0978**, and if you desaturate by 10%, it is **53.7434, 39.4511, 54.5532**.

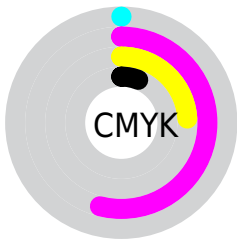
Distribution



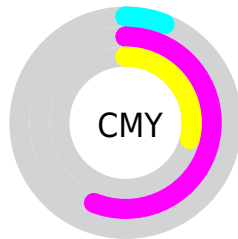
- Red (94%)
- Green (44%)
- Blue (71%)



- Red (94%)
- Yellow (44%)
- Blue (71%)



- Cyan (0%)
- Magenta (54%)
- Yellow (24%)
- Black (6%)





- Cyan (6%)
- Magenta (56%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6215, 33.0558, 47.4811 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.6215, 33.0558, 47.4811 by changing the saturation by 10% instead.


 49.6215, 33.0558,
47.4811


 49.6215, 33.0558,
47.4811


375.6604,
315.9011, 393.1808


 35.3293, 22.1692,
33.0591


 88.8090, 64.4626,
87.7888

 24.0844, 13.9813,
21.9002


 114.4350, 85.7517,
114.5116

 15.5213, 8.1076,
13.5860


 144.5697,
111.2769, 146.1716

 9.2747, 4.1639,
7.6978

179.5784,
141.4229, 183.1876

 4.9794, 1.7657,
3.8172

219.8265,
176.5739, 225.9779

 2.2698, 0.4656,
1.5256

265.6793,

 0.7791, 0.0000,

217.1143, 274.9612

0.2369

317.5021,
263.4286, 330.5560

■ 0.0000, 0.0000,
0.0000

■ 49.6215, 33.0558,
47.4811

■ 49.6215, 33.0558,
47.4811

■ 46.2854, 28.0933,
41.0978

■ 53.7434, 39.4511,
54.5532

■ 43.6733, 24.4438,
35.3722

■ 58.7009, 47.3764,
62.3391

■ 41.7181, 21.9764,
30.2721

■ 64.5426, 56.9262,
70.8643

■ 40.3376, 20.5298,
25.7600

■ 71.3127, 68.1856,
80.1524

■ 39.6730, 19.9813,
23.1314

■ 79.0522, 81.2341,
90.2255

■ 87.7997, 96.1459,
101.1047

■ 89.4067, 97.0908,
108.6359

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.5159, 33.0558, 77.1703



49.6215, 33.0558, 47.4811



49.2774, 33.0558, 24.3677

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.6215, 33.0558, 47.4811



27.0425, 33.0558, 7.5949



21.7195, 33.0558, 80.5267

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.6215, 33.0558, 47.4811



44.5851, 67.9780, 48.3107

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.4985, 33.0558, 50.8265



49.6215, 33.0558, 47.4811



21.1808, 33.0558, 12.9104

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.6215, 33.0558, 47.4811



35.2089, 33.0558, 7.3397



18.3204, 33.0558, 26.5243



27.9105, 33.0558, 101.1939

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.6215, 33.0558, 47.4811



45.9891, 33.0558, 15.0049



18.3204, 33.0558, 26.5243



20.3050, 33.0558, 70.7983

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.6225, 33.0574, 47.4817



80.5520, 75.5403, 90.0824



37.5426, 25.9937, 84.7002



16.8876, 15.5790, 18.7998



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6225, 33.0574, 47.4817



53.3951, 32.2178, 47.1455



44.5168, 31.0152, 20.5955



16.1345, 15.9035, 18.2642



21.9912, 11.0689, 13.1364



1.8796, 0.9409, 1.3568

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.6225, 33.0574, 47.4817



53.3951, 32.2178, 47.1455



52.0740, 70.9736, 87.7467



16.1345, 15.9035, 18.2642



21.9912, 11.0689, 13.1364



1.8796, 0.9409, 1.3568

Previews

White Background



This preview shows how the XYZ color 49.6215, 33.0558, 47.4811 looks on a white background.

Color Contrast Check

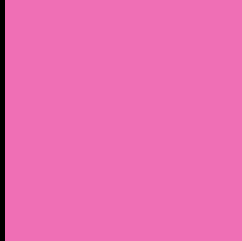
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.6215, 33.0558, 47.4811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

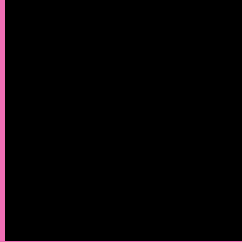
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6215, 33.0558, 47.4811

Background



This preview shows how black text looks on a background with the XYZ color 49.6215, 33.0558, 47.4811.



This preview shows how white text looks on a background with the XYZ color 49.6215, 33.0558,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.6215, 33.0558, 47.4811

Protanopia

34.1287, 33.3898, 66.2741

Deuteranopia

33.9725, 33.2990, 44.6812



Tritanopia

44.9205, 33.0232, 25.1256

Trichromacy



Original Color

49.6215, 33.0558, 47.4811



Protanomaly

37.4183, 31.5772, 58.7664



Deuteranomaly

38.3673, 32.1420, 45.7768



Tritanomaly

46.4953, 32.9597, 32.3450

Monochromacy



Original Color

49.6215, 33.0558, 47.4811



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.7545, 32.0741, 40.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6215, 33.0558, 47.4811 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(239, 111, 181)` looks like.

```
.text, #text, p{  
    color:rgb(239, 111, 181)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 111, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 111, 181) }
```

Border

The CSS property to change the border of an element to XYZ 49.6215, 33.0558, 47.4811 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 111, 181) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 111, 181) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 111, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 111, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 111, 181);  
box-shadow:4px 4px 4px 4px rgb(239, 111,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6215, 33.0558, 47.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 111, 181) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239,  
111, 181) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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